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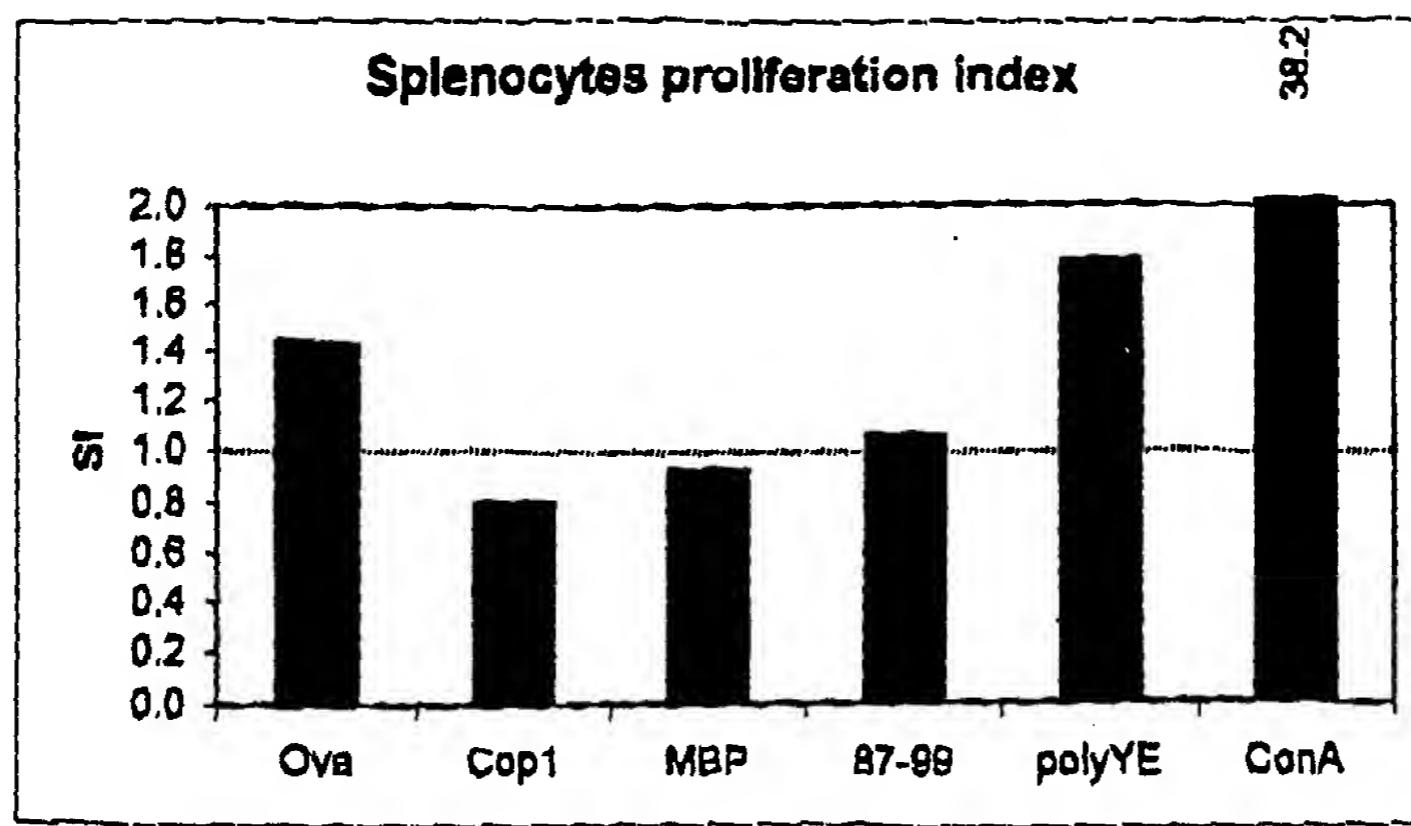


Fig. 1

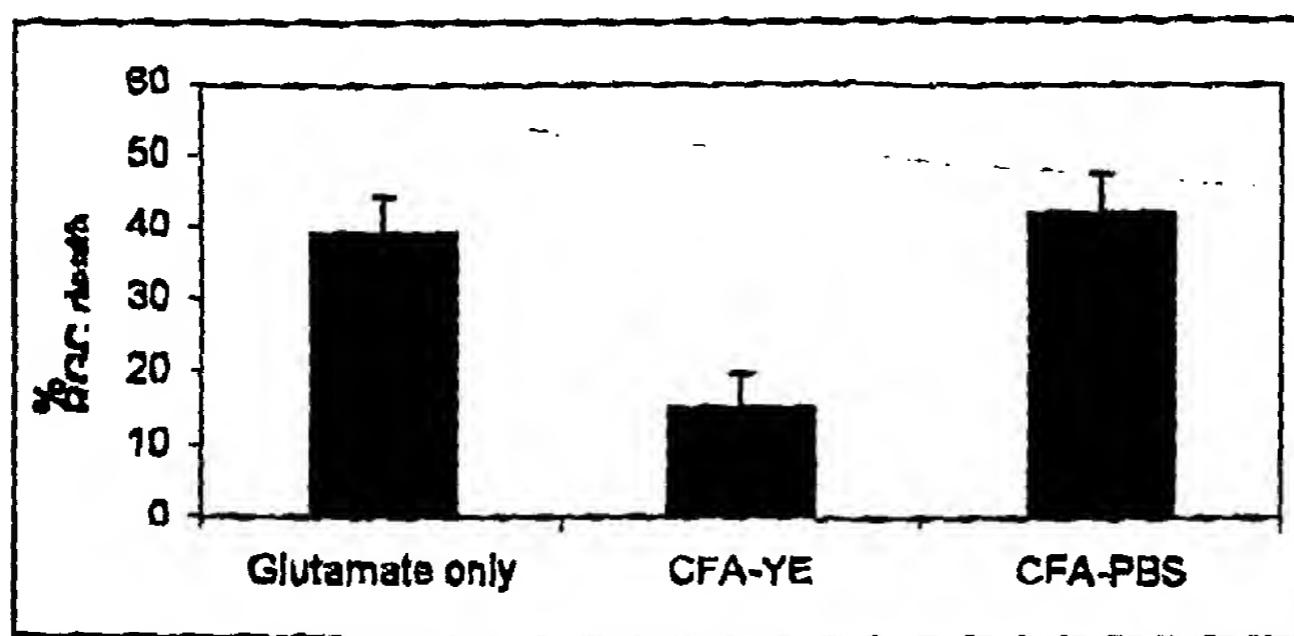


Figure 2: The effect of immunization with pYE is shown in Figure 1. Bars represent mean \pm SEM of percentage of RGC death compare to the naïve retina.

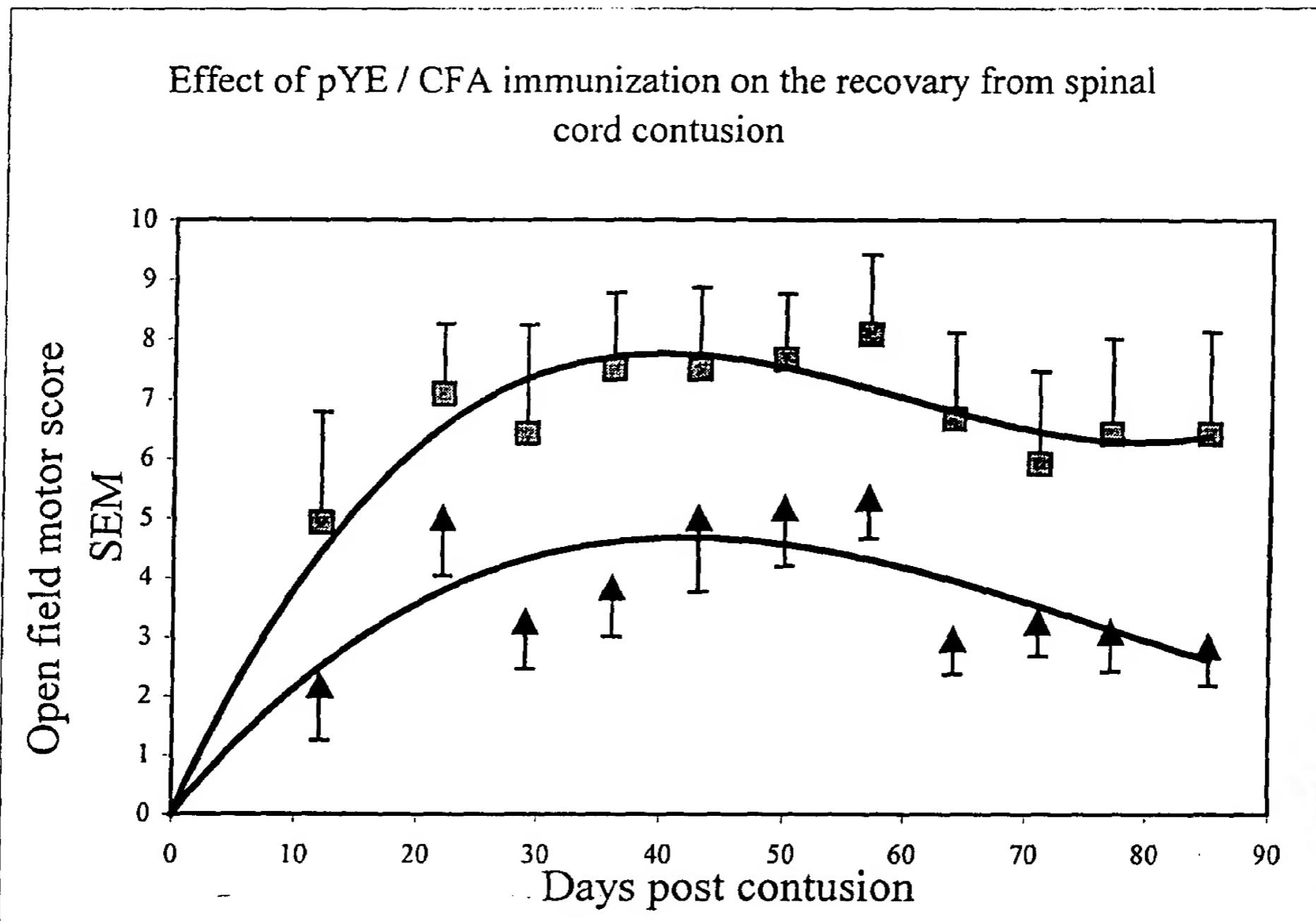


Figure 3: The effect of pYE / CFA immunization on rat recovery from spinal cord contusion. 12 SPD rats went through surgery and their spinal cord contused at T8 level with 10g weight drop from 50 mm height using the NYU impactor device. The rats were divided to 2 groups (6 each) according to their impact errors to achieve similar groups. One group of rats were SC immunized in their upper-back with PBS / CFA (blue triangles). The other group were SC immunized with pYE / CFA (100ug / rat, red squares). Seven days later the 2 groups received a second immunization identical to the first one. The graph presents the mean+/-SEM of hindlimb motor-scores in open field in each group with time after spinal cord contusion

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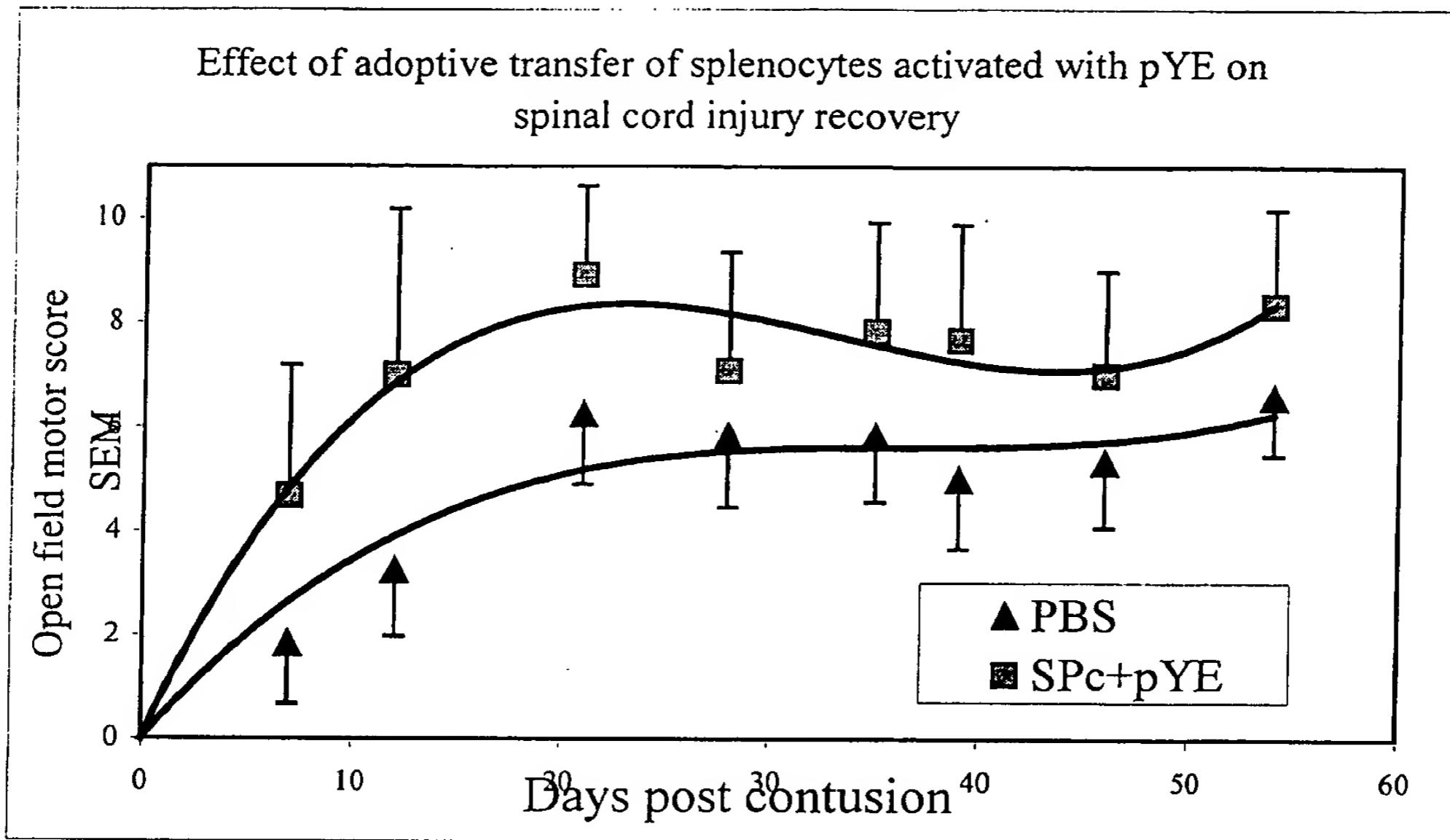


Figure 4: Four SPD rats were SC preimmunized with pYE / CFA (125ug/rat) in their lower back. 7 days later their splenocytes were harvested and activated in culture for 3 days with 10ug/ml pYE. On day 3, Twelve SPD rats went through surgery and their spinal cord contused at T7 level with 10g weight drop from 50mm height. The rats were divided to 2 equal groups according to their impact errors. One group received intravenous 0.5ml of PBS per rat and the other group received splenocytes ($30 \times 10^6 / 0.5\text{ml PBS/rat}$). The figure presents the mean \pm SEM of the hindlimb motor scores in open field in each group with time after spinal cord contusion.

10 9 8 7 6 5 4 3 2 1 0